

Product datasheet for **SC314779**

BICD2 (NM_015250) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	BICD2 (NM_015250) Human Untagged Clone
Tag:	Tag Free
Symbol:	BICD2
Synonyms:	bA526D8.1; SMALED2; SMALED2A; SMALED2B
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



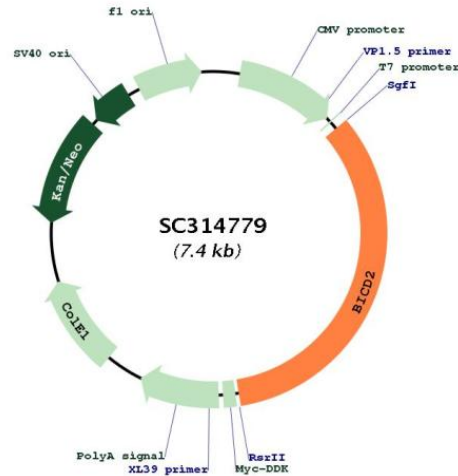
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Fully Sequenced ORF: >SC314779 representing NM_015250.
 Blue=Insert sequence Red=Cloning site Green=Tag(s)

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GCTCGTTTAGTGAACCGTCAGAATTTTGTAAACGACTCACTATAGGGCGGCCGGGAATTCGTGCGACTG
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Restriction Sites: SgfI-RsrII

Plasmid Map:


ACCN: NM_015250

Insert Size: 2475 bp

OTI Disclaimer: Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).

OTI Annotation: This TrueClone is provided through our Custom Cloning Process that includes sub-cloning into OriGene's pCMV6 vector and full sequencing to provide a non-variant match to the expected reference without frameshifts, and is delivered as lyophilized plasmid DNA.

Components: The ORF clone is ion-exchange column purified and shipped in a 2D barcoded Matrix tube containing 10ug of transfection-ready, dried plasmid DNA (reconstitute with 100 ul of water).

Reconstitution Method:

1. Centrifuge at 5,000xg for 5min.
2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.
3. Close the tube and incubate for 10 minutes at room temperature.
4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.
5. Store the suspended plasmid at -20°C. The DNA is stable for at least one year from date of shipping when stored at -20°C.

RefSeq: [NM_015250.3](#)

RefSeq Size: 4625 bp

RefSeq ORF: 2475 bp

Locus ID: 23299

UniProt ID: [Q8TD16](#)

Cytogenetics: 9q22.31

MW: 93.5 kDa

Gene Summary: This gene is one of two human homologs of *Drosophila bicaudal-D* and a member of the Bicoid family. It has been implicated in dynein-mediated, minus end-directed motility along microtubules. It has also been reported to be a phosphorylation target of NIMA related kinase 8. Two alternative splice variants have been described. [provided by RefSeq, Jul 2008]
Transcript Variant: This variant (2) encodes the shorter isoform (2). This variant includes an alternate intron, compared to variant 1, that causes a frameshift. The resulting protein (isoform 2) has a distinct C-terminus, compared to isoform 1.